

**Meeting:** 1003, Atlanta, Georgia, MAA CP X1, MAA General Contributed Paper Session, I

1003-X1-1570      **Kiryl I Tsishchanka\*** ([kit@knox.edu](mailto:kit@knox.edu)), Tsishchanka Kiryl, Knox College Box 53, 2 East South Street, Galesburg, IL 61401. *Teachers' mistakes as a teaching tool.*

It is known that students like to find teachers' mistakes on the blackboard. Let us make them! However, our mistakes should be instructive and prepared in advance. A good mistake is not just an unusual development in a lecture, something which can wake up our audience, draw their attention. More importantly, a well prepared mistake can be a wonderful starting point for a useful discussion with students. I will present some of my favorite "mistakes" in both elementary and advanced mathematical courses. (Received October 05, 2004)